FIELD CROP ABSTRACTS

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NOTICE TO READERS

TOBACCO

With effect from Vol. **19**, No. 1, abstracts dealing with tobacco will be published in *Field Crop Abstracts* instead of in *Horticultural Abstracts*.

FIELD CROP ABSTRACTS

Vol. 18, Nos 1, 2, 3, 4, 1965

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The Commonwealth Bureau of Pastures and Field Crops is one of 10 Bureaux and 3 Institutes which together form the Commonwealth Agricultural Bureaux. The Bureau is located at The Grassland Research Institute, Hurley, and its object is to collect and abstract all published scientific results on annual field crops, pastures, herbage plants and rangelands, and to circulate these abstracts in its two quarterly journals *Field Crop Abstracts* and *Herbage Abstracts*.

The Bureau can provide an extended abstract should fuller information on a paper, or part of a paper, be required, and also undertakes the preparation of bibliographies on subjects within its scope. Photocopies of articles can be supplied at a cost of 2s. per page of text.

About 1000 periodicals and reports from all parts of the world are regularly scrutinized. A list of those examined, together with their abbreviated titles, appears in this issue.

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Field Crop Abstracts is concerned only with those aspects of agricultural science which are covered by the table of contents. For other aspects, e.g. plant breeding, soil science, plant pests and diseases (other than control), reference should be made to the C.A.B. journals covering those subjects. For abstracts dealing with plantation crops, including sisal, sugar-cane and tobacco, see *Horticultural Abstracts*.

Where † follows the number which appears before a heading, it indicates that the abstract or book review is duplicated in *Herbage Abstracts*.

The locality shown in square brackets at the end of the heading of an abstract indicates where the work was carried out.

The foreign title of any article abstracted in this journal can be supplied on request.

The Director is always pleased to receive comments on *Field Crop Abstracts* and any suggestions for its improvement.

Transliteration of Cyrillic script has been changed, in Nos 3 and 4 of this volume, to accord with the system published in British Standard 2979 : 1958. Details are given in the Author Index on p. 325.

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REVIEW ARTICLES

The following have appeared in the more recent issues of *Field Crop Abstracts* :

Recent developments in groundnut production, with special reference to Africa. Parts 1 and 2, by ORAM, P. A. 1958, **11**, No. 1, 1–6 and No. 2, 75–84, bibl. 106.

Sowing and thinning the sugar-beet crop, by HARVEY, P. N. 1958, **11**, No. 3, 151–60, bibl. 70.

The effect of undersowing on the cereal cover crop, by CHARLES, A. H. 1958, **11**, No. 4, 233–9, bibl. 47.

Transpiration from crop plants, by MILTHORPE, F. L. 1959, **12**, No. 1, 1–9, bibl. 68.

Photoperiodism in rice, by BEST, R. 1959, **12**, No. 2, 85–93, bibl. 127.

The possibility of cultivating maize in regions with low temperatures, by TORSSELL, B., ÅBERG, E. and ÅKERBERG, E. 1959, **12**, No. 3, 169–75, bibl. 40.

A review of recent research on the agronomy of fibre flax, by FREDERIKSEN, P. S. 1959, **12**, No. 4, 259–65, bibl. 105.

The agronomy and present position of oil-seed crops in Scandinavia—a review of the literature, by LÖÖF, B. 1960, **13**, No. 1, 1–7, bibl. 43.

Research on oil-seed flax in North America, by MCGREGOR, W. G. 1960, **13**, No. 2, 83–7, bibl. 31.

Plant population and crop yield. Parts 1 and 2, by HOLLIDAY, R. 1960, **13**, No. 3, 159–67 and No. 4, 247–54, bibl. 80.

Photosynthesis and the theory of obtaining high crop yields, by A. A. Ničiporovič. An abstract with commentary, by BLACK, J. N. and WATSON, D. J. 1960, **13**, No. 3, 169–75, bibl. 11.

Current agricultural research in Africa on annual field crops and grasslands. 1961, **14**, No. 1, 1–7 ; No. 2, 87–92 ; No. 3, 163–7 ; No. 4, 241–4.

The agronomic aspects of pigeon peas, by GOODING, H. J. 1962, **15**, No. 1, 1–5, bibl. 55.

Pre-sowing hardening of plants to drought. An appraisal of the contributions by P. A. Genkel, by MAY, L. H., MILTHORPE, E. J. and MILTHORPE, F. L. 1962, **15**, No. 2, 93–8, bibl. 14.

Drought resistance of crop plants, by MAY, L. H. and MILTHORPE, F. L. 1962, **15**, No. 3, 171–9, bibl. 53.

Cowpeas, *Vigna unguiculata* (L.) Walp., by SELLSCHOP, J. P. F. 1962, **15**, No. 4, 259–66, bibl. 85.

Sunflowers, by PUTT, E. D. 1963, **16**, No. 1, 1–6, bibl. 74.

Vining pea research in the United Kingdom, by GANE, A. J. 1963, **16**, No. 2, 67–70, bibl. 17.

The effect of row width on the yield of cereals, by HOLLIDAY, R. 1963, **16**, No. 2, 71–81, bibl. 40.

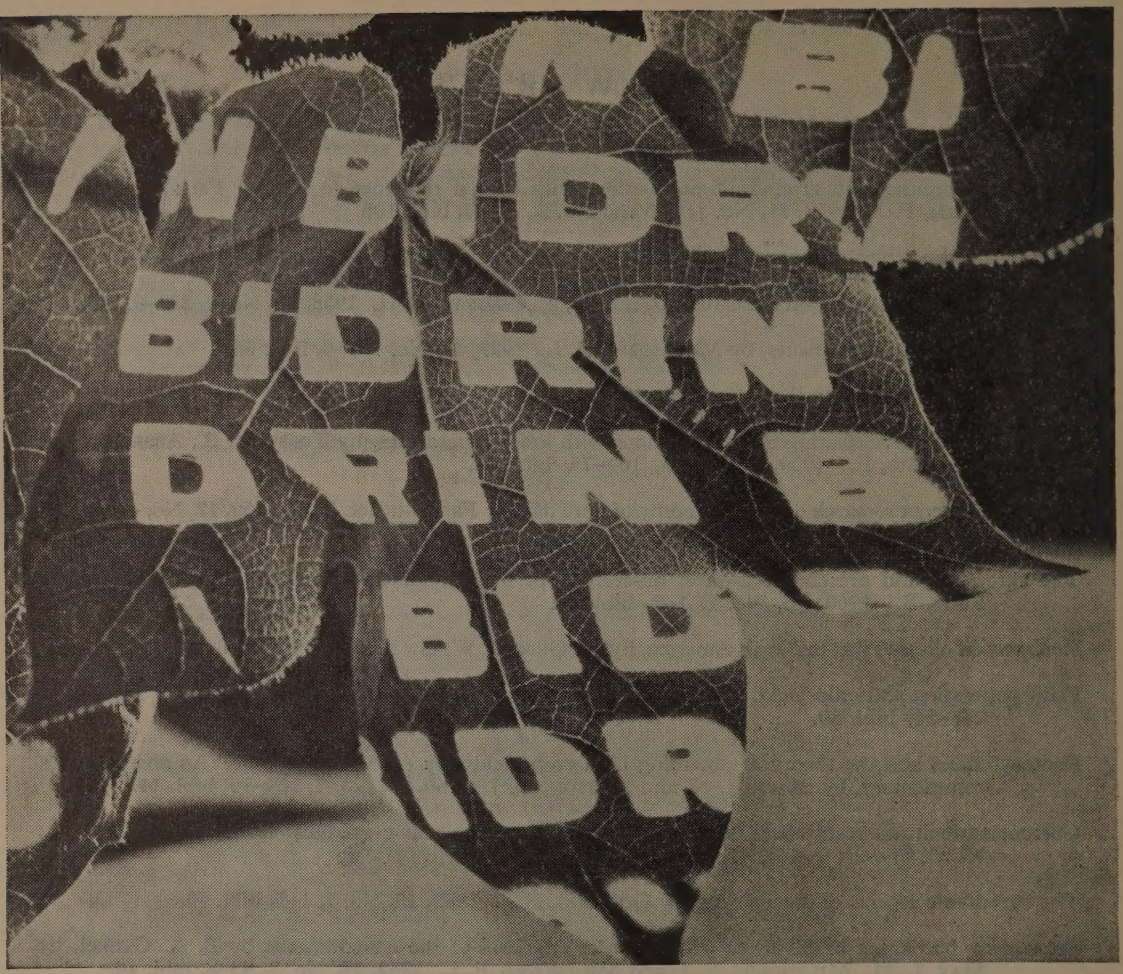
Yams, *Dioscorea* species, by WAITT, A. W. 1963, **16**, No. 3, 145–57, bibl. 181.

Sweet-potatoes, with particular reference to the tropics, by MACDONALD, A. S. 1963. **16**, No. 4, 219–25, bibl. 69.

The kale crop in Great Britain, by WILLEY, L. A. 1964, **17**, No. 1, 1–6, bibl. 64.

Crop ecology and agricultural development, by PAPADAKIS, J. 1964, **17**, No. 2, 85–8, bibl. 30.

The pre-sprouting of seed potatoes : factors affecting sprout growth and subsequent yield. Pts I and II, by TOOSEY, R. D. 1964, **17**, No. 3, 161–8 and No. 4, 239–44, bibl. 140.



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ABBREVIATIONS

In addition to common standard abbrevations, the following are used :

a.e.	—	acid equivalent	f.y.m.	—	farm-yard manure
a.i.	—	active ingredient	hr	—	hour(s)
alt.	—	altitude	LAI	—	leaf-area index
abs.	—	abstract	m. eq.	—	milli-equivalent
bibl.	—	bibliography	NAR	—	net assimilation rate
CP	—	crude protein	NFE	—	nitrogen free extract
cv.	—	cultivar(s)	ppm.	—	parts per million
DM	—	dry matter	r	—	röntgen(s)
Ext.	—	extract	RH	—	relative humidity
F.s.	—	From summary	SE	—	starch equivalent
F.U.	—	food/fodder unit	var.	—	*varietas*
			yr	—	year(s)

LANGUAGES

Afrik.	—	Afrikaans	It.	—	Italian
Bulg.	—	Bulgarian	Jap.	—	Japanese
Chin.	—	Chinese	Nor.	—	Norwegian
Cz.	—	Czech	Pol.	—	Polish
Dan.	—	Danish	Port.	—	Portuguese
Eng.	—	English	Rom.	—	Romanian
Fin.	—	Finnish	Russ.	—	Russian
Fl.	—	Flemish	Span.	—	Spanish
Fr.	—	French	Sw.	—	Swedish
Ger.	—	German	Turk.	—	Turkish
Hung.	—	Hungarian			

CORRECTIONS

Vol. 18, abs. 801, line 7. After the word ' plant ' add ' increased '.

„ abs. 1301. Delete Richharia, R. M., substitute Richharia, R. H.

„ abs. 1321, line 10. Delete Dungham, substitute Dunghan.